

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am an original, first and joint inventor of the subject matter that is claimed, and for which a patent is sought on the invention entitled, "**SILANE CONTAINING POLISHING COMPOSITION FOR CMP,**" the specification of which was filed on **July 5, 2000**, as United States Patent Application Serial No. **09/609,480**; and

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim the benefit under Title 35, United States Code, § 119(e) and/or § 120 of any United States provisional applications and/or applications listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Appln. Serial No.)

(Filing Date)

(Status)

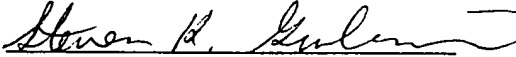
As a named inventor, I hereby appoint Rennie William Dover (Registration No. 36,503), Martha Ann Finnegan, Esq. (Registration No. 31,453), Bruce M. Gagala, Esq. (Registration No. 28,844), Robert F. Green, Esq. (Registration No. 27,555), A. Blair Hughes, Esq. (Reg. No. 32,901), John Kilyk, Jr, Esq. (Registration No. 30,763) and Michelle B. Lando, Esq. (Registration No. 33,941), as my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please address all communications regarding this application to:

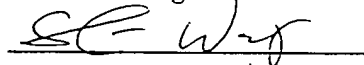
Michelle B. Lando, Esq.
CABOT CORPORATION
Law Department
157 Concord Road
Billerica, MA 01821

Direct all telephone calls to Michelle B. Lando at (978) 670-7030.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor: **Steven K. Grumbine**
Inventor's Signature: 
Date: 8-10-00
Residence: 2523 Crestview Drive
Aurora, Illinois 60504, United States of America
Post Office Address: Same as above.
Citizenship: *United States of America*

* * * *

Inventor: **Shumin Wang**
Inventor's Signature: 
Date: August 10th, 2000
Residence: 1006 Dakota Circle
Naperville, Illinois 60563, United States of America
Post Office Address: Same as above.
Citizenship: *United States of America*

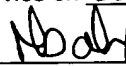
00083MMD.DOC

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Docket No. 00083DIV)

Applicant: Steven K. GRUMBINE et al.
Serial No.: Not yet known
Filing Date: Filed Herewith
Title: SILANE CONTAINING POLISHING
COMPOSITION FOR CMP

Certification under 37 CFR 1.10

I, Mariejose Monsalve, hereby certify that this correspondence, and any other documents and/or fees referred to as enclosed herein, are being deposited in an envelope addressed to USPTO Mail Stop/Address indicated below with the U.S. Postal Service "Express Mail Post Office to Addressee" service on 22-Oct-2003



(Signature of person mailing paper)

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"Express Mail" mailing label number

**REVOCATION OF PRIOR POWERS OF ATTORNEY
AND NEW POWER OF ATTORNEY BY ASSIGNEE**

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA, 22313-1450

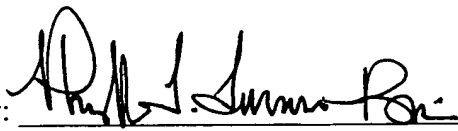
Sir/Madam:

Cabot Microelectronics Corporation, the Assignee of the entire interest for the above-identified application by virtue of document recorded with this office on September 25, 2000 under Reel/Frame(s) 011143/0397, hereby revokes all powers of attorney previously given and appoints its patent attorneys and agents, registered with this office under **Customer Number 29050**, to prosecute and transact all business in the U.S. Patent and Trademark Office. The Assignee further requests that the attorneys of McDonnell Boehnen Hulbert & Berghoff (Customer Number 20306) be recognized as Associate Attorneys for the present case. All such powers are to be exercised separately or collectively.

This authority is requested to direct all correspondence concerning this application to **Customer Number 29050** and all telephone calls to the undersigned.

Respectfully submitted,

Date: October 22, 2003

By: 
Phyllis T. Turner-Brim, Agent for Applicant
Reg. No. 39,864

CABOT MICROELECTRONICS CORPORATION
870 NORTH COMMONS DRIVE
AURORA, ILLINOIS 60504
(630) 375-5465



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DECEMBER 04, 2000

PTAS

CABOT CORPORATION
MICHELLE B. LANDO
LAW DEPARTMENT
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CABOT MICROELECTRONICS
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LAW DEPARTMENT
UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/25/2000

REEL/FRAME: 011143/0397
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
GRUMBINE, STEVEN K.

DOC DATE: 08/10/2000

ASSIGNOR:
WANG, SHUMIN

DOC DATE: 08/10/2000

ASSIGNEE:
CABOT MICROELECTRONICS CORPORATION
870 N. COMMONS DRIVE
AURORA, ILLINOIS 60504

SERIAL NUMBER: 09609480
PATENT NUMBER:

FILING DATE: 07/05/2000
ISSUE DATE:

JEEVON JONES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

ASSIGNMENT

WHEREAS, we, Steven K. Grumbine of 2523 Crestview Drive, Aurora, Illinois 60504, a citizen of the United States of America and Shumin Wang of 1006 Dakota Circle, Naperville, Illinois 60563, a citizen of United States of America, the subject matter described in the U. S. Patent Application entitled "**SILANE CONTAINING POLISHING COMPOSITION FOR CMP,**" the specification of which was filed on **July 5, 2000**, as United States Patent Application Serial No. **09/609,480**; and

WHEREAS, Cabot Microelectronics Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, doing business at 870 N. Commons Drive, Aurora, Illinois 60504, is desirous of acquiring the entire right, title and interest in and to said application and the invention therein described and claimed and any Letters Patent that may be issued upon said application or for the improvements therein contained.

NOW THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) lawful money of the United States and other valuable considerations, in hand paid to us, the receipt and sufficiency whereof is hereby acknowledged, we, Steven K. Grumbine and Shumin Wang, have sold, assigned and transferred and do hereby sell, assign and transfer unto Cabot Microelectronics Corporation, its successors and assigns, the entire right, title and interest in and to said application and the invention therein contained, including the right to apply for any Letters Patent in the United States of America and in any and all foreign countries on said invention, and any and all other applications for Letters Patent on said invention, in whatsoever countries, including all provisional, divisional, renewal, substitution, continuation, continuation-in-part, reissue, re-examination and Convention applications based upon said invention or upon said application, to the full end of the term or terms for which said Letters Patent may be issued, and every priority right that is or may be predicated upon or arise from said invention, said application and said Letters Patent, the same to be held and enjoyed by Cabot Microelectronics Corporation, its successors and assigns, the same as it would have been held and enjoyed by us if this assignment and sale had not been made.

And we hereby authorize Cabot Microelectronics Corporation, to file patent applications in any or all countries on any or all of said invention in our name or in the name of Cabot Microelectronics Corporation, or otherwise as Cabot Microelectronics Corporation, may deem advisable, under any International Convention or otherwise.

And we hereby authorize the Commissioner of Patents of the United States and the empowered officials of all other governments to issue or transfer all said Letters Patent to Cabot Microelectronics Corporation, as assignee of the entire right, title and interest therein or otherwise as Cabot Microelectronics Corporation, may direct, in accordance with this instrument of assignment.

We hereby represent and warrant that there are no rights or interests inconsistent with the rights and interests granted herein and that we will not execute any instrument or grant or transfer any rights or interests inconsistent with the rights and interest granted herein, and that we, Steven K. Grumbine and Shumin Wang, have sold, assigned and transferred and do hereby sell, assign and transfer unto Cabot Microelectronics Corporation, its successors and assigns, any further documents or instruments and do any and all further acts that may reasonably be deemed necessary by Cabot Microelectronics Corporation to enable Cabot Microelectronics Corporation, its successors or assigns, to file applications for the invention in any country where it may elect to file such applications, and that may be necessary to vest in Cabot Microelectronics Corporation, its successors and assigns, the title herein conveyed or intended so to be, and to enable such title to be recorded in the United States and foreign countries where such application or applications may be filed.

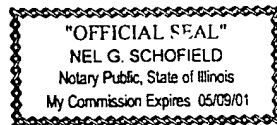
And we further covenant and agree, in consideration of the premises, that we, our executors and administrators, will at any time, upon request, communicate to Cabot Microelectronics Corporation, its successors and assigns, any facts relating to the invention and the improvements contained therein and the history thereof, known to us or our executors and administrators, and that we will testify as to the same in any interference or other litigation when requested so to do by Cabot Microelectronics Corporation, its successors and assigns.

IN TESTIMONY WHEREOF, I, **Steven K. Grumbine**, have hereunto set my hand and seal
this 16th day of August, 2000.

Steven K. Grumbine
Steven K. Grumbine


STATE OF ILLINOIS)
) ss.
COUNTY OF DU PAGE)

On this 0 day of August, 2000, before me personally appeared **Steven K. Grumbine**, before me known and known to me to be the individual described herein and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the purpose therein set forth.



Neil L. Lakeland
NOTARY PUBLIC
My Commission Expires: 5/9/01

IN TESTIMONY WHEREOF, I, **Shumin Wang**, have hereunto set my hand and seal
this 10th day of August, 2000.


Shumin Wang

STATE OF ILLINOIS)
) ss.
COUNTY OF DU PAGE)

On this 16 day of August, 2000, before me personally appeared **Shumin Wang**, to me known and known to me to be the individual described herein and who executed the foregoing instrument, and she duly acknowledged to me that she executed the same for the purpose therein set forth.



Nel L. Schofield
NOTARY PUBLIC
 My Commission Expires: 5/9/01